

## Claims

1. Arrangement with a panel (4) of a flat screen, with a graphics processor (1), to which a digitized image signal (3) can be supplied by an A/D converter (2), said image signal (3) being generated from an analog image signal (5) by the A/D converter (2). The amplification of the A/D converter (2) can be set such that the A/D converter (2) generates a maximum video step of the digital image signal (3) from the highest video level of the analog image signal (5), characterized in that during a calibration phase
  - the luminance of a white image can be captured by a sensor (11), the sensor (11) being disposed in an area of the flat screen that cannot be seen by an observer and means (14, 16, 17) being provided, by means of which the sensor (11) can be swiveled out essentially parallel to the panel (4) from a rest position into a position for capturing luminance and
  - the amplification can be set by the graphics processor (1) as a function of a captured change in luminance, which the graphics processor brings about by gradually adjusting the amplification.
2. Arrangement according to claim 1, characterized in that the sensor (11) can be lowered in the direction of the panel (4) by the means (14, 16, 17) during the swiveling out operation.
3. Arrangement according to claim 1 or 2, characterized in that sealing means are provided to screen the sensor (11) from ambient light while the luminance is being captured.
4. Arrangement according to one of the claims 1 to 3, characterized in that means are provided, which clean the

sensor (11) when it is being swiveled out into the capture position or when it is being swiveled back into the rest position.

- 5 5. Arrangement according to one of claims 1 to 4, characterized in that the sensor (11) and the means (14, 16, 17) for swiveling out the sensor (11) are disposed in a recess in the frame of the flat screen.